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
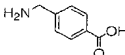

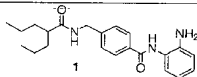
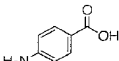
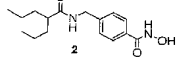
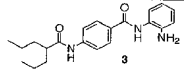
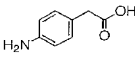
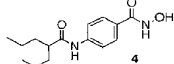
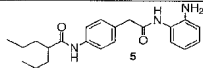
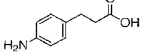
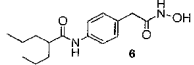
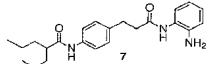
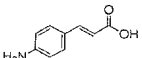
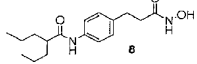
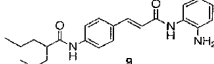
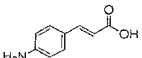
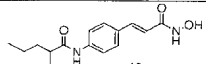
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[Continued on next page]

(54) Title: **Zn²⁺ -CHELATING MOTIF-TETHERED SHORT -CHAIN FATTY ACIDS AS A NOVEL CLASS OF HISTONE DEACETYLASE INHIBITORS**

Valproic acid	Linker	Zn ²⁺ -chelating group	Derivatives
		<p>H₂N—OH</p> <p>or</p> 	 1
			 2
			 3
			 4
			 5
			 6
			 7
			 8
			 9
			 10

(57) Abstract: Zn²⁺ -chelating motif-tethered fatty acids as histone deacetylase (HDAC) inhibitors. Compounds performed well in *in vitro* and *in vivo* tests.



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